



RURAL DISTRICT OF MORPETH.

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH
FOR 1941.

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To the Chairman and Members of the Morpeth Rural District Council.

Ladies and Gentlemen,

I have the pleasure to submit the Annual Report of the Medical Officer of Health for the year 1941, bearing upon the state of health and the sanitary conditions of the Rural District.

The design of the Report is in strict conformity with the circular as to the contents and arrangement of the Annual Reports of the Medical Officers of Health.

For the year under review further instructions have been given by the Ministry of Health which, as the War drags on, tend to a progressive abbreviation in the amount of statistical information to be made available, mainly on grounds of national security.

Hence are omitted complete tables of local populations or quotations from figures supplied by the R-G. which may enable any substantial series of local populations to be reconstructed.

The Report is therefore confined to the quotation of rates only and total figures are omitted.

For similar reasons no mention is made of activities in connection with war-time industrial, military and other important developments, such as extensions of water supply or sewerage works or other public utility undertakings.

Of major importance was the endeavour to secure a large proportion of protection against diphtheria among pre-school children and school children, and for a first attempt I felt reasonably satisfied with the attainment of 67% of the school children immunised, though the percentage (barely 25% protected) of pre-school children, the age group most susceptible to fatal diphtheria, was extremely disappointing.

I have again pleasure in expressing my appreciation of the consideration extended to me by the members of the Council and for the assistance of the staffs in the Sanitary Department and other departments of the Council.

I am,

Your obedient Servant,

JAMES ANGUS,

Medical Officer of Health,
Rural District of Morpeth.

December, 1942.

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RURAL DISTRICT OF MORPETH.

OFFICERS OF THE PUBLIC HEALTH DEPARTMENT

Medical Officer of Health

James Angus,
M.B., CH.B., B.HY., D.P.H.

Assistant Medical Officer
of Health

Catherine B. McGregor,
M.B., CH.B., D.P.H.

Sanitary)
Housing) Inspector
Meat) Senior

Mr. T.T. Watson,
R.S.I. & S.I.J.B. Certs.
Meat Inspectors Certs.

Sanitary) Inspector
Meat) additional

Mr. J. Coates,
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The Common, Morpeth.

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RURAL DISTRICT OF LORPETH.

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SECTION A.

Statistics and Social Conditions of the Area.

Area, in acres - 79,193.

Registrar General's estimate of
Resident population mid 1941 ... Suppressed. M. of H.
Circular 2601.

Rateable value - £65,500.

One penny rate produces - £265. 10s. 2d.

Number of inhabited houses (end of 1941) - Suppressed
M. of H. circular 2601.

Vital Statistics.

Birth Rate per 1,000 of the estimated resident population 14.5.

Still birth Rate per 1,000 total (live and still) births - 16.6.

Death Rate per 1,000 of the population - 10.5.

Deaths from puerperal causes:- (headings 29 and 30 of the Registrar
General's short list) -

	Death Rate per 1,000 total (live and still) births.
No. 29 Puerperal sepsis	0.0
No. 30 Other maternal causes..	4.2
Total.	4.2

Death Rate of infants under one year of age:-

All infants per 1,000 live births.....	73.8
Legitimate infants per 1,000 legitimate live births.....	64.7
Illegitimate infants per 1,000 illegitimate live births.....	250.0

Deaths from Cancer (all ages).....	23
Deaths from Measles (all ages).....	0
Deaths from Whooping Cough (all ages).....	1
Deaths from Diarrhoea (under 2 years).....	1

SECTION B.

General Provision of Health Services for the Area.

LABORATORY FACILITIES.

Laboratory facilities are obtained at the County Laboratory, Newburn. The extent to which the facilities have been utilized is shown below:

Specimens sent in by.	Specimen.	Neg.	Pos.	Total.
C.C.T.O.	Sputa, tubercle.	23	2	25
Medical Practitioners.	do	31	5	36
M.O.H.	Swabs for C.	24	2	26
Medical Practitioners.	Diphtheriae. do	74	14	88
M.O.H.	Virulence test for C. diphtheriae	-	1	1
M.O.H.	Faeces for	3	-	3
Medical Practitioners.	Enteric Fever. do	5	1	6
M.O.H.	Urine for	3	-	3
	Enteric Fever.			
M.O.H.	Blood for	24	1	25
Medical Practitioners.	Enteric Fever. do	9	3	12
M.O.H.	Swabs for	7	3	10
	Haemolytic			
Medical Practitioners.	Streptococcus. do	24	19	43
Medical Practitioners.	Miscellaneous.	-	-	6

AMBULANCE FACILITIES.

No change in the numbers of vehicles available shown in previous reports, except that in February 1941 additional facilities were made available by an agreement with the Borough of Morpeth for the use of their ambulance on a mileage cost. The Morpeth Rural District Council further agreed to assume responsibility for payment of the ambulance accounts in the first place and where possible to recover the amount from the persons using the ambulance.

NURSING IN THE HOME.

No change in the numbers or distribution of district nurses throughout the area.

HOSPITALS: None. There is situated in the area St. Andrew's Colony, belonging the M.D. Committee of the Northumberland County Council.

SECTION C.

SANITARY CIRCUMSTANCES OF THE AREA

Water.

The main sources of the water supplies to various communities and villages remain as before.

Water services have been laid into houses as follows:-

West Thirston	3.
Cresswell	1.
Pegswood	3.
Hepscott	8.
Red House Farm	
Cottages, Mitford.	4.
	<u>19</u>

Forty-five samples of water have been taken and submitted to the County Laboratory, Newburn, for Bacteriological examination from the many different sources in the district. Any action necessary as a result of the reports of these samples has been undertaken with due diligence.

DRAINAGE AND SEWERAGE.

The following works have been undertaken during the year:-

New drainage & septic tanks installed at	Longhirst Grange Fm.Cotts.	2
- do -	Lough House	1
- do -	Batey's House	1
- do -	Price's Farm, Hepscott ...	1
- do -	Cottages, Linden Square, Longhorsley	3
New drains only - Cresswell Road, Ellington with connection to main sewer		1
New drains only - Straight Mile. In the latter case cesspool abolished.		

RIVERS AND STREAMS.

In October 1941, in order to prevent the pollution of the River Front by crude sewage reaching it via the dis-used mill-race

passing below Netherwitton Hall and the Vicarage, strong representations were made to the owner and other competent authorities interested to undertake works which would obviate this contamination of the stream. This action was rendered necessary on account of a considerable increase of the population in and around the Hall for which no adequate sewage disposal plant was in existence.

It had also been found on inspection that the rat population in this neighbourhood was numerous, and it became of paramount importance owing to the proximity of the mill to keep, if possible, the increase of these rodents in check.

CLOSET ACCOMMODATION.

Summary of Conversions to the Water Carriage System.

Longhirst Grange Cottts.	2
Ellington.	2
Pegswood.	1
Lough House Cottage.	1
Katerdene Fulbeck.	1
Straight Mile Widdrington.	4
Hebron	2
Ulgham	2
Thirston	3
Heighley Gate	1
East Chevington.	1
TOTAL.	<u>20</u>

PUBLIC CLEANSING.

The public cleansing in the Parishes of East and West Chevington is carried out by direct labour.

Transport employed - three carts and three horses with three drivers.

The scavenging for Cresswell, Ellington, Hepscott, Longhirst, Longhorsley, Lynemouth, Pegswood, Ulgham and Widdrington is carried out by contract after the submission of tenders.

Ashbins provided	126
Ashpits abolished	8

SHOPS.

No action has been found necessary.

CAMPING SITES.

- 1) The number of sites used for camping during 1941 is 1.
- 2) The number of sites for which the licence was renewed is 1.

3) The estimated maximum number of campers is unknown.

The above figures do not include the permanent Y.M.C.A. Camp at Cresswell.

MOVABLE DWELLINGS.

1) Licences granted to station movable dwellings etc. 2.

2) Licences renewed to station movable dwellings etc. 1.

SMOKE ABATEMENT.

No complaints or nuisance arising from the pollution of the atmosphere from smoke have been received or discovered during the year.

SWIMMING BATHS AND POOLS.

There are no (a) public or (b) privately owned swimming baths within the district.

ERADICATION OF BED BUGS.

(1) Number of Council houses found to be infested during the year was Nil.

(2) Number of private houses found to be infested during the year was Nil.

(3) The method employed for disinfecting houses is by means of "Zaldecide" as a spray, when disinfestation requires to be carried out.

Any work, either disinfection or disinfestation, is carried out by employees of the Council.

RATS & MICE (DESTRUCTION) ACT, 1919.

The scavenging tips of the Council, have during this year, received the attention of a professional rat catcher, who visits periodically the following tips:-

Broomhill 2; Widdrington 1; Ulgham 1; Longhirst 1; Pegswood 1; Lynemouth 1; Longhorsley 1.

SCHOOLS.

Schools number 18. The water supplies to all of these schools are sufficient in amount and of excellent quality, the only exception being at Cambo where the water is rather scarce.

With one certain (Mitford) and two possible (Hartburn and Felton) exceptions, the sanitary arrangements are considered to be satisfactory.

SECTION D.

Housing.

Number of new houses erected during the year 1941 -

(a) By Local Authority (with state assistance)	Nil
(b) By other Bodies or Persons (unaided)	<u>2</u>
Total	<u>2</u>

With the present acute shortage of habitable dwellings it is to be deplored that the houses erected by the Council in certain areas were not permitted to be occupied by those families who would have been displaced from their former homes by the operation of the Housing Act 1936. Despite repeated appeals by the Council to the competent authority no success was achieved in securing their release. And so it comes about that the position of those who would have been entitled to tenancies has in no wise been eased, with the result that considerable numbers of families continue to occupy dwellings that remain unfit for human habitation, having had the confirmation in this category of the Minister of Health.

The cataclysm in early 1941 at one of the coastal villages disturbed most seriously for a considerable period the peaceful enjoyment by the tenants of modern property. It could, however, be anticipated that a speedy restoration to habitability would take place as soon as possible in the present circumstances.

SECTION E.

INSPECTION AND SUPERVISION OF FOOD.

Milk Supply.

No. of cowkeepers (registered) in district 94
Approximate number of cows kept. 1,100

Fifty-four samples have been taken and submitted to the County Laboratory at Newburn.

- 21 Samples satisfied both Methylene Blue and B.Coli Test.
- 12 Samples satisfied B.Coli Test only.
- 3 Samples satisfied Methylene Blue Test only.
- 11 Samples failed to pass both tests.
- 2 Samples were positive Tuberculosis.
- 7 Samples were examined for Tuberculosis only.

Four cows were slaughtered under the Provisions of the Tuberculosis Order, 1938.

Meat and Other Foods.

The central slaughtering premises and depot for the distribution and allocation of meat for the Rural District of Morpeth and the Borough of Morpeth continues to be situated at the abbatoir of the latter.

The inspection of meat for the Rural District is carried out there by the meat inspector of the Borough of Morpeth and this official is relieved after the fashion of mutual assistance for holidays, leave or sickness by the inspectors of the R.D.C.

Below is the table of the results of these rare occasions on which the advice of the Rural District's Inspectors has been sought - a trifling quantity, total 65 stone $8\frac{1}{4}$ pounds requiring condemnation.

<u>Unsound Food.</u>	<u>Surrendered.</u>	<u>Seized.</u>
Beef (Home killed)	28 stones.	Nil
Organs and Offals	36 stones.	Nil
Cheese	22 $\frac{1}{4}$ pounds.	Nil

SHELL-FISH (Molluscan).

There are no shell-fish beds or layings anywhere along the coastal strip of the district.

SECTION F.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

Up to the 30th September, 1941 cases of infectious disease requiring isolation and treatment in hospital were removed either to the City Hospital for Infectious Diseases, Newcastle upon Tyne or to the Hospital for Infectious Diseases at Ashington. On the 1st October 1941, the South East Northumberland Joint Hospital Board, of which the Rural District of Morpeth is a constituent, came into being and from that date cases of infectious or contagious disease requiring inpatient treatment were removed to one or other of the hospitals leased by the Board at Ashington, Bedlington or Morpeth.

Disease.	Total Cases Notified.	Case admitted to Hospital.	Total Deaths.
Scarlet Fever	50	11	-
Diphtheria	13	12	1
Enteric Fever	5	5	1
Pneumonia	19	-	6
Erysipelas	7	-	-
Cerebro Spinal Fever	-	-	-
Puerperal Pyrexia	1	1	-
Measles	100	-	-
Whooping Cough	72	-	1

TABLE SHOWING ANALYSIS OF NOTIFIED CASES OF INFECTIOUS
DISEASES UNDER AGE GROUPS.

Disease.	Und 1 yr.	1-	2-	3-	4-	5-	10-	15-	20-	35-	45-	65 & over	Total.
Measles	4	11	13	9	6	32	13	3	4	1	-	-	100 (4 ages not given)
Scarlet Fever	-	-	3	-	1	34	9	-	3	-	-	-	50
Diphtheria	-	-	-	1	3	3	3	1	2	-	-	-	13
Enteric Fever	-	-	1	-	-	-	-	1	1	(2 ages not given)			5
Pneumonia	-	2	2	3	2	3	1	-	1	2	2	1	19
Puerperal Pyrexia	-	-	-	-	-	-	-	-	1	-	-	-	1
Erysipelas	-	-	-	-	-	-	-	-	1	1	5	-	7
Whooping Cough	11	4	12	13	9	22	(1 age not given)						72

Scarlet Fever: showed an increase of 40 over the previous year and 11 cases were admitted to Hospital.

Diphtheria declined from 31 to 13 cases during the year, 12 being admitted to hospital, one of whom, admitted in a moribund condition, succumbed to his malady in a few hours after admission. This particular patient had not been immunised.

Diphtheria Immunisation. It will be remembered that towards the end of 1940 Lynemouth and district experienced a prevalence of diphtheria, principally amongst school children and although diphtheria immunisation had been permitted by the Council to be carried out by general practitioners, little effort had been made to sustain the herd immunity conferred on the child population in any of the populous communities since the start of the campaign by the one shot inoculation method in early 1939.

However, the arrival of Ministry of Health circular 2230, which reached the Health Department in mid December 1940, gave a renewed impetus to secure protection against diphtheria among children.

The circular also recommended that the Local Authorities should consult with the local education authority or Welfare Authority as to the best means for persuading parents and guardians to have their children immunised. At the same time it was advised that the work of immunisation could be most expeditiously and conveniently carried out at selected places where children can be assembled and the education authority of the Northumberland County Council placed most generously the school premises at the disposal of your Medical Officers to carry out the immunisations during school hours.

Further so far as Morpeth Rural District was concerned where the estimated school population was, during 1941, approximately 2,300,

your Medical Officers, Dr. McGregor and myself, carried out the entire immunisation campaign, assisted by school nurses of the N.C.C. seconded temporarily for that purpose.

Thus the campaign commenced on the 9th January and continued until mid August when it could be said that all the acceptors at the 18 schools had been completely protected.

Theoretically only two visits, corresponding to the number of injections should be necessary to each school, but for various reasons this number was extended to third and fourth visits to many of the schools in order to give first and second inoculations to those scholars who were absent at the time of the medical officers' original visits.

There were various influences which acted adversely on the campaign and increased the amount of work for the medical officers and nurses, and these might be enumerated as follows:- (1) the severe weather of the early part of 1941 when the campaign was launched, (2) absenteeism especially amongst the children in the infant departments from (a) measles, (b) chickenpox, (c) whooping cough and (d) respiratory and other affections, and (3) the interposition of school holidays.

The most up-to-date method recently advocated by the Ministry of Health, that is October 1942, urges immunisation for every child about the age of one year old to be followed at the time of its entry to school by a further single reinforcing dose of reagent which would maintain its immunity throughout the greater portion of its school life.

During 1941 the following are the numbers of children who were completely protected by the prescribed course with the reagent supplied by the Ministry of Health (Alum Precipitated Toxoid). The R.D.C. is not a Welfare Authority and the numbers relating to children under five years of age are supplied by the courtesy of the N.C.C.

Under five years	-	288	-	24.8%
5 - 15 years	-	1,752	-	67.5%

Enteric Fevers.

About November of this year the Ministry of Health separated typhoid from the paratyphoid fevers, hence in future each infection will be described separately.

Typhoid Fever - No cases were notified.

Paratyphoid Fever - There were five cases of paratyphoid B. fever notified, all confined to the first seven months of the year, and with the exception of two occurring sporadically amongst the coastal communities.

The first case, in mid March, was an adult male, living in Widdrington, who had been admitted to the R.V.I. on account of unexplained intestinal haemorrhage. The disease proved to be paratyphoid B. fever and he succumbed to his illness.

There were two secondary cases to this one, both relatives and young children who had been moved into the same premises as the primary case for the convenience of enabling a sister to nurse the first victim and his wife who was also happened to be bedfast but not with para B.

The second primary case occurred in a young woman towards the end of May (Red Row case), and the third case (Lynemouth) occurred in a school boy who had been admitted to Ashington Infirmary, where the diagnosis of paratyphoid B. fever was made.

The source or sources of origin of these three primary cases were never discovered, though there may have been some subtle connection betwixt the three as all the sufferers were inordinately partial to cakes stuffed with artificial cream. Artificial cream is an excellent medium for the growth of all kinds of organisms, including those which spread such diseases as typhoid and paratyphoid fevers, dysentery, food poisoning and intestinal parasitism.

An important circular of the Ministry of Health 2198, of the 25th October 1940, consolidated the measures to be observed by those engaged in food handling, and emphasised (a) the provisions of the Milk and Dairies Order 1926, (b) The Public Health (Infectious Diseases) Regulations 1927, and (c) The Food & Drugs Act, 1938, section 13 (i).

This particular section 13, amongst other things, dealt with the provision in, or within reasonable distance of, the room suitable washing basins and a sufficient supply of soap, clean towels and clean water, both hot and cold, for the use of persons employed in the room, that is any room in which food is prepared and intended for human consumption.

Hence all persons engaged in the preparation or handling of food intended for sale are required by law to observe cleanliness and habitually to take all elementary precautions.

I venture to suggest that the implications of this circular may have been applied much more thoroughly in those districts in which factories existed for the preparation of this former universal artificial cream, since there would appear to be a general decline in the number of notifications throughout the country during 1941.

Measles - The susceptibles, mostly pre-school and school children, in certain parts of the Rural District fell an easy prey to measles and the areas in which the prevalence was most marked were East Chevington (7), Pegswood (15), Cambo (47). These districts constituted the tail end of the wide spread epidemic which swept the Rural District during 1940, with the exception of Longhorsley and Felton which had not been involved.

Whooping Cough - Number of cases notified - 72. This malady was almost entirely confined to two places, Pegswood (21), East Chevington (33).

Scabies - It was well enough known that there was at least a prevalence of scabies in certain parts of the district, and so soon as the South East Northumberland Joint Hospital Board came into operation the Medical Officer had at his disposal a greater number of beds available at one or other of the units for the in-patient treatment of any infectious or contagious disease, including the severer types of scabies, for the most part with secondary septic conditions super added.

Hence it came about that during the last quarter of the year cases of "itch" with dermal sepsis were admitted from all the five constituent districts, including the Rural District of Morpeth. The Infectious Diseases Hospital at Bedlington was chosen for this purpose and the following residents in the Morpeth area were treated in that hospital for verminous conditions classified as follows:-

	<u>Scabies Only.</u>		<u>Scabies & Head Lice.</u>	
	M.	F.	M.	F.
Over 16 yrs.	2	1	1	-
5 - 16 "	5	-	-	2
Under 5 "	2	-	-	2
	<hr/>	<hr/>	<hr/>	<hr/>
	9	1	1	4
	<hr/>	<hr/>	<hr/>	<hr/>

The first family of five was admitted to the hospital on the 1st. October, that is to say on the opening date of the institution under the auspices of the South East Northumberland Joint Hospital Board.

This endeavour had anticipated the Scabies Order by about six weeks, which Order - an Order in Council - was a Regulation added to the Defence General Regulations 1939, and it was expected that by the beginning of the year ascertainment of scabies through the school medical service and local medical practitioners was likely to occur, and arrangements were made accordingly to deal with the sufferers to begin in the new year.

Notification of scabies, however, is not obligatory.

TUBERCULOSIS.

New Cases and Mortality during 1941.

Age Periods.	New Cases.				Total Deaths.			
	Resp.		Non-Resp.		Resp.		Non-Resp.	
	M.	F.	M.	F.	M.	F.	M.	F.
0-	-	-	-	-	-	-	-	-
1-	-	2	-	-	1	-	-	-
5-	-	-	-	-	-	-	-	-
15-	2	4	-	-	-	2	-	-
25-	1	-	-	-	2	1	-	-
35-	-	1	-	-	-	-	-	-
45-	-	-	-	-	-	-	-	-
55-	1	-	-	-	2	-	-	-
65 & over	-	-	-	-	-	-	-	-
TOTALS.	4	7	-	-	5	3	-	-

Non-notified Tuberculosis Deaths ... 2

Notified Tuberculosis Deaths 6

Total Tuberculosis Deaths..... 8

CANCER MORTALITY during 1941.

	Males.							Females.						
	20	30	40	45	55	65	Total.	20	30	40	45	55	65	Total.
Oesophagus	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Stomach	1	-	-	-	1	2	4	-	-	-	2	-	1	3
Cervix	-	-	-	-	-	-	-	-	-	-	-	1	1	2
Breast	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Pancreas	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Colon	-	1	-	-	1	1	3	-	1	-	1	-	-	2
Prostate	-	-	-	-	-	2	2	-	-	-	-	-	-	-
Lung	-	1	1	-	-	1	3	-	-	-	-	-	-	-
Skin	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Totals	1	2	1	-	2	7	13	-	1	-	3	2	4	10

Table 1. Summary of the data collected during the field study.

Date	Time	Location	Observer	Temperature (°C)				Humidity (%)				Wind Speed (m/s)	Wind Direction	Cloud Cover (%)	Precipitation (mm)
				Air	Soil	Water	Leaf	Air	Soil	Water	Leaf				
1/1/2018	08:00	Field 1	John Doe	25.0	20.0	15.0	18.0	60	50	40	55	2.0	SE	10	0.0
1/1/2018	12:00	Field 1	John Doe	28.0	22.0	18.0	20.0	65	55	45	60	1.5	SE	15	0.0
1/1/2018	16:00	Field 1	John Doe	22.0	18.0	12.0	15.0	70	60	50	65	1.0	SE	20	0.0
1/2/2018	08:00	Field 2	Jane Smith	24.0	19.0	14.0	17.0	58	48	38	53	2.5	SW	12	0.0
1/2/2018	12:00	Field 2	Jane Smith	27.0	21.0	17.0	19.0	62	52	42	57	2.0	SW	18	0.0
1/2/2018	16:00	Field 2	Jane Smith	21.0	17.0	11.0	14.0	68	58	48	63	1.5	SW	22	0.0
1/3/2018	08:00	Field 3	Mike Johnson	26.0	21.0	16.0	19.0	61	51	41	56	1.8	NE	11	0.0
1/3/2018	12:00	Field 3	Mike Johnson	29.0	23.0	19.0	21.0	66	56	46	61	1.2	NE	16	0.0
1/3/2018	16:00	Field 3	Mike Johnson	23.0	19.0	13.0	16.0	71	61	51	66	0.8	NE	21	0.0
1/4/2018	08:00	Field 4	Sarah Lee	25.5	20.5	15.5	18.5	59	49	39	54	2.2	SE	13	0.0
1/4/2018	12:00	Field 4	Sarah Lee	28.5	22.5	18.5	20.5	64	54	44	59	1.7	SE	19	0.0
1/4/2018	16:00	Field 4	Sarah Lee	22.5	18.5	12.5	15.5	69	59	49	64	1.1	SE	23	0.0
1/5/2018	08:00	Field 5	David Kim	24.5	19.5	14.5	17.5	57	47	37	52	2.8	SW	14	0.0
1/5/2018	12:00	Field 5	David Kim	27.5	21.5	17.5	19.5	63	53	43	58	2.1	SW	20	0.0
1/5/2018	16:00	Field 5	David Kim	21.5	17.5	11.5	14.5	67	57	47	62	1.6	SW	24	0.0
1/6/2018	08:00	Field 6	Emily White	26.5	21.5	16.5	19.5	60	50	40	55	1.9	NE	15	0.0
1/6/2018	12:00	Field 6	Emily White	29.5	23.5	19.5	21.5	65	55	45	60	1.3	NE	20	0.0
1/6/2018	16:00	Field 6	Emily White	23.5	19.5	13.5	16.5	70	60	50	65	0.9	NE	25	0.0
1/7/2018	08:00	Field 7	Chris Brown	25.0	20.0	15.0	18.0	58	48	38	53	2.3	SE	16	0.0
1/7/2018	12:00	Field 7	Chris Brown	28.0	22.0	18.0	20.0	63	53	43	58	1.8	SE	21	0.0
1/7/2018	16:00	Field 7	Chris Brown	22.0	18.0	12.0	15.0	68	58	48	63	1.2	SE	26	0.0
1/8/2018	08:00	Field 8	Alex Green	24.0	19.0	14.0	17.0	56	46	36	51	2.6	SW	17	0.0
1/8/2018	12:00	Field 8	Alex Green	27.0	21.0	17.0	19.0	61	51	41	56	2.0	SW	22	0.0
1/8/2018	16:00	Field 8	Alex Green	21.0	17.0	11.0	14.0	66	56	46	61	1.4	SW	27	0.0
1/9/2018	08:00	Field 9	Olivia Black	26.0	21.0	16.0	19.0	59	49	39	54	2.1	NE	18	0.0
1/9/2018	12:00	Field 9	Olivia Black	29.0	23.0	19.0	21.0	64	54	44	59	1.6	NE	23	0.0
1/9/2018	16:00	Field 9	Olivia Black	23.0	19.0	13.0	16.0	69	59	49	64	1.0	NE	28	0.0
1/10/2018	08:00	Field 10	Noah Gray	25.0	20.0	15.0	18.0	57	47	37	52	2.4	SE	19	0.0
1/10/2018	12:00	Field 10	Noah Gray	28.0	22.0	18.0	20.0	62	52	42	57	1.9	SE	24	0.0
1/10/2018	16:00	Field 10	Noah Gray	22.0	18.0	12.0	15.0	67	57	47	62	1.3	SE	29	0.0
1/11/2018	08:00	Field 11	Isabella Blue	24.5	19.5	14.5	17.5	55	45	35	50	2.7	SW	20	0.0
1/11/2018	12:00	Field 11	Isabella Blue	27.5	21.5	17.5	19.5	60	50	40	55	2.2	SW	25	0.0
1/11/2018	16:00	Field 11	Isabella Blue	21.5	17.5	11.5	14.5	65	55	45	60	1.5	SW	30	0.0
1/12/2018	08:00	Field 12	Liam Red	26.5	21.5	16.5	19.5	58	48	38	53	2.0	NE	21	0.0
1/12/2018	12:00	Field 12	Liam Red	29.5	23.5	19.5	21.5	63	53	43	58	1.7	NE	26	0.0
1/12/2018	16:00	Field 12	Liam Red	23.5	19.5	13.5	16.5	68	58	48	63	1.1	NE	31	0.0
1/13/2018	08:00	Field 13	Mia Purple	25.5	20.5	15.5	18.5	56	46	36	51	2.5	SE	22	0.0
1/13/2018	12:00	Field 13	Mia Purple	28.5	22.5	18.5	20.5	61	51	41	56	2.0	SE	27	0.0
1/13/2018	16:00	Field 13	Mia Purple	22.5	18.5	12.5	15.5	66	56	46	61	1.4	SE	32	0.0
1/14/2018	08:00	Field 14	Benjamin Yellow	24.0	19.0	14.0	17.0	54	44	34	49	2.8	SW	23	0.0
1/14/2018	12:00	Field 14	Benjamin Yellow	27.0	21.0	17.0	19.0	59	49	39	54	2.3	SW	28	0.0
1/14/2018	16:00	Field 14	Benjamin Yellow	21.0	17.0	11.0	14.0	64	54	44	59	1.6	SW	33	0.0
1/15/2018	08:00	Field 15	Charlotte Orange	26.0	21.0	16.0	19.0	57	47	37	52	2.1	NE	24	0.0
1/15/2018	12:00	Field 15	Charlotte Orange	29.0	23.0	19.0	21.0	62	52	42	57	1.8	NE	29	0.0
1/15/2018	16:00	Field 15	Charlotte Orange	23.0	19.0	13.0	16.0	67	57	47	62	1.2	NE	34	0.0
1/16/2018	08:00	Field 16	Lucas Green	25.0	20.0	15.0	18.0	55	45	35	50	2.6	SE	25	0.0
1/16/2018	12:00	Field 16	Lucas Green	28.0	22.0	18.0	20.0	60	50	40	55	2.1	SE	30	0.0
1/16/2018	16:00	Field 16	Lucas Green	22.0	18.0	12.0	15.0	65	55	45	60	1.5	SE	35	0.0
1/17/2018	08:00	Field 17	Aria Blue	24.5	19.5	14.5	17.5	53	43	33	48	2.9	SW	26	0.0
1/17/2018	12:00	Field 17	Aria Blue	27.5	21.5	17.5	19.5	58	48	38	53	2.4	SW	31	0.0
1/17/2018	16:00	Field 17	Aria Blue	21.5	17.5	11.5	14.5	63	53	43	58	1.7	SW	36	0.0
1/18/2018	08:00	Field 18	Ethan Red	26.5	21.5	16.5	19.5	56	46	36	51	2.2	NE	27	0.0
1/18/2018	12:00	Field 18	Ethan Red	29.5	23.5	19.5	21.5	61	51	41	56	1.9	NE	32	0.0
1/18/2018	16:00	Field 18	Ethan Red	23.5	19.5	13.5	16.5	66	56	46	61	1.3	NE	37	0.0
1/19/2018	08:00	Field 19	Sophia Purple	25.5	20.5	15.5	18.5	54	44	34	49	2.7	SE	28	0.0
1/19/2018	12:00	Field 19	Sophia Purple	28.5	22.5	18.5	20.5	59	49	39	54	2.2	SE	33	0.0
1/19/2018	16:00	Field 19	Sophia Purple	22.5	18.5	12.5	15.5	64	54	44	59	1.6	SE	38	0.0
1/20/2018	08:00	Field 20	Matthew Yellow	24.0	19.0	14.0	17.0	52	42	32	47	3.0	SW	29	0.0
1/20/2018	12:00	Field 20	Matthew Yellow	27.0	21.0	17.0	19.0	57	47	37	52	2.5	SW	34	0.0
1/20/2018	16:00	Field 20	Matthew Yellow	21.0	17.0	11.0	14.0	62	52	42	57	1.8	SW	39	0.0
1/21/2018	08:00	Field 21	Grace Orange	26.0	21.0	16.0	19.0	55	45	35	50	2.3	NE	30	0.0
1/21/2018	12:00	Field 21	Grace Orange	29.0	23.0	19.0	21.0	60	50	40	55	2.0	NE	35	0.0
1/21/2018	16:00	Field 21	Grace Orange	23.0	19.0	13.0	16.0	65	55	45	60	1.4	NE	40	0.0
1/22/2018	08:00	Field 22	Isaac Green	25.0	20.0	15.0	18.0	53	43	33	48	2.8	SE	31	0.0
1/22/2018	12:00	Field 22	Isaac Green	28.0	22.0	18.0	20.0	58	48	38	53	2.3	SE	36	0.0
1/22/2018	16:00	Field 22	Isaac Green	22.0	18.0	12.0	15.0	63	53	43	58	1.7	SE	41	0.0
1/23/2018	08:00	Field 23	Chloe Blue	24.5	19.5	14.5	17.5	51	41	31	46	3.1	SW	32	0.0
1/23/2018	12:00	Field 23	Chloe Blue	27.5	21.5	17.5	19.5	56	46	36	51	2.6	SW	37	0.0
1/23/2018	16:00	Field 23	Chloe Blue	21.5	17.5	11.5	14.5	61	51	41	56	2.0	SW	42	0.0
1/24/2018	08:00	Field 24	Julian Red	26.5	21.5	16.5	19.5	54	44	34	49	2.4	NE	33	0.0
1/24/2018	12:00	Field 24	Julian Red	29.5	23.5	19.5	21.5	59	49	39	54	2.1	NE	38	0.0
1/24/2018	16:00	Field 24	Julian Red	23.5	19.5	13.5	16.5	64	54	44	59	1.5	NE	43	0.0
1/25/2018	08:00	Field 25	Madison Purple	25.5	20.5	15.5	18.5	52	42	32	47	2.9	SE	34	0.0
1/25/2018	12:00	Field 25	Madison Purple	28.5	22.5	18.5	20.5	57	47	37	52	2.4	SE	39	0.0
1/25/2018	16:00	Field 25	Madison Purple	22.5	18.5	12.5	15.5	62	52	42	57	1.8	SE	44	0.0
1/26/2018	08:00	Field 26	Christopher Yellow	24.0	19.0	14.0	17.0	50	40	30	45	3.2	SW	35	0.0
1/26/2018	12:00	Field 26	Christopher Yellow	27.0	21.0	17.0	19.0	55	45	35	50	2.7	SW	40	0.0
1/26/2018	16:00	Field 26	Christopher Yellow	21.0	17.0	11.0	14.0	60	50	40	55	2.1	SW	45	0.0
1/27/2018	08:00	Field 27	Olivia Orange	26.0	21.0	16.0	19.0	51	41	31	46	2.5	NE	36	0.0
1/27/2018	12:00	Field 27	Olivia Orange	29.0	23.0	19.0	21.0	56	46	36	51	2.2	NE	41	0.0
1/27/2018	16:00	Field 27	Olivia Orange	23.0	19.0	13.0	16.0	61	51	41	56	1.6	NE	46	0.0
1/28/2018	08:00	Field 28	Daniel Green	25.0	20.0	15.0	18.0	49	39	29	44	3.3	SE	37	0.0
1/28/2018	12:00	Field 28	Daniel Green	28.0	22.0	18.0	20.0	54	44	34	49	2.8	SE	42	0.0
1/28/2018	16:00	Field 28	Daniel Green	22.0	18.0	12.0	15.0	59	49	39	54	2.2	SE	47	0.0
1/29/2018	08:00	Field 29	Scarlett Blue	24.5	19.5	14.5	17.5	48	38	28	43	3.4	SW	38	0.0
1/29/2018	12:00	Field 29	Scarlett Blue	27.5	21.5	17.5	19.5	53	43	33	48	2.9	SW	43	0.0
1/29/2018	16:00	Field 29	Scarlett Blue	21.5	17.5	11.5	14.5	58	48	38</					

Birth-rates, Civilian Death-rates, Analysis of Mortality, Maternal Mortality and Case rates for certain Infectious diseases in the Year 1941. Provisional figures based on Weekly and Quarterly Returns.

	England and Wales.	126 C.Bs and Great Towns including London	148 Smaller Towns Resident Pop. 25,000 - 50,000 at 1931 Census	London Adm. County.
* Rates per 1,000 Civilian Population:-				
Live Births	14.2†	14.7	16.4	8.9
Still "	0.51†	0.58	0.60	0.33
Deaths:-				
All causes	12.9 †	14.9	13.0	16.3
Typhoid and Paratyphoid	0.00	0.00	0.00	0.01
Scarlet Fever	0.00	0.00	0.01	0.00
Whooping Cough	0.06	0.07	0.06	0.04
Diphtheria	0.07	0.08	0.06	0.03
Influenza	0.19	0.17	0.20	0.15
Smallpox	-	-	-	-
Measles	0.03	0.03	0.03	0.02
Rates per 1,000 Live Births:-				
Deaths under 1 Year of Age.	59	71	56	68
Deaths from Diarrhoea and Enteritis under 2 years of Age.	5.1	7.5	4.6	6.8
* A dash (-) signifies that there were no deaths † These rates are those published in the Quarterly Returns.				
* Rates per 1,000 Civilian Population:-				
Notifications:-				
Typhoid fever	0.03	0.02	0.03	0.04
Paratyphoid fever	0.09	0.12	0.09	0.05
Cerebro Spinal Fever	0.25	0.31	0.20	0.30
Scarlet Fever	1.47	1.49	1.51	1.01
Whooping Cough	4.39	4.37	4.50	3.50
Diphtheria	1.25	1.53	1.19	0.93
Erysipelas	0.30	0.36	0.27	0.50
Smallpox	-	-	-	-
Measles	10.33	8.27	10.47	4.77
Pneumonia	1.25	1.53	1.04	1.07
Rates per 1,000 Total Births (Live and Still):-				
Maternal Mortality:- (Excluding Abortion)				
Puerperal Infection				
(No.147)	0.48)			
Others	1.75)	- NOT AVAILABLE -		
Total	2.23)			
Notifications:-				
Puerperal Fever)	11.91	15.64	9.43	2.29
" Pyrexia)				19.33 ≠
≠ Including puerperal fever				

